

FIG. 1

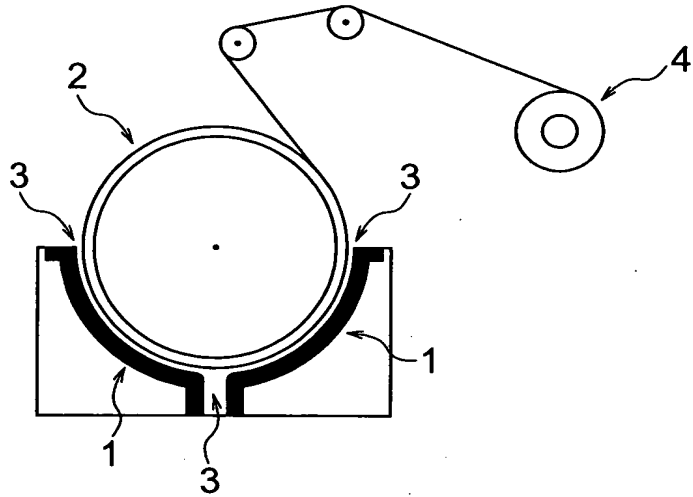


FIG. 2

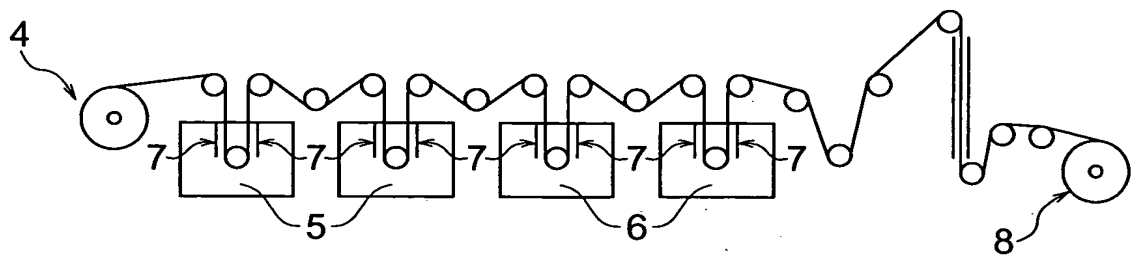


FIG. 3

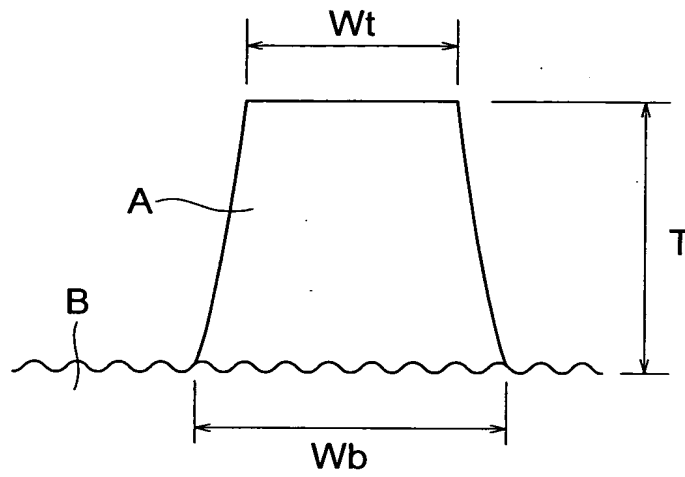
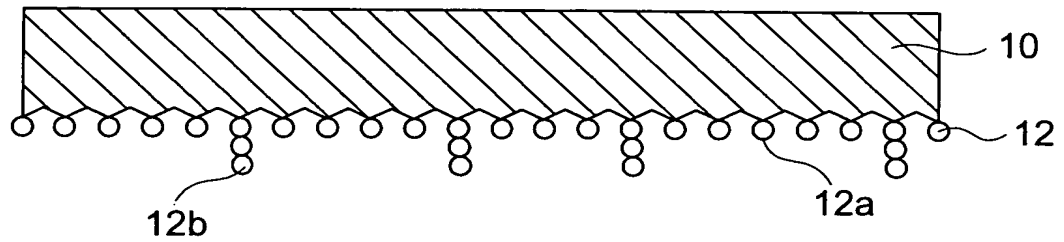
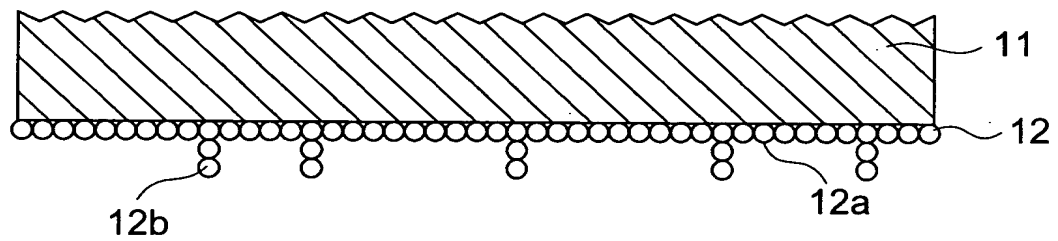


FIG. 4



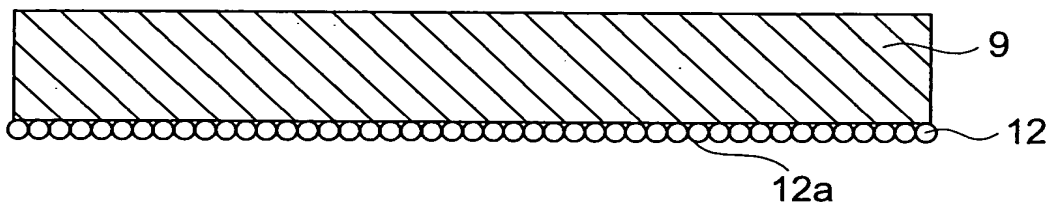
10 : UNTREATED COPPER FOIL  
12 : FINE ROUGHENING PARTICLE LAYER  
12a : FINE ROUGHENING PARTICLE  
12b : ABNORMAL DEPOSITION OF  
FINE ROUGHENING PARTICLE

FIG. 5



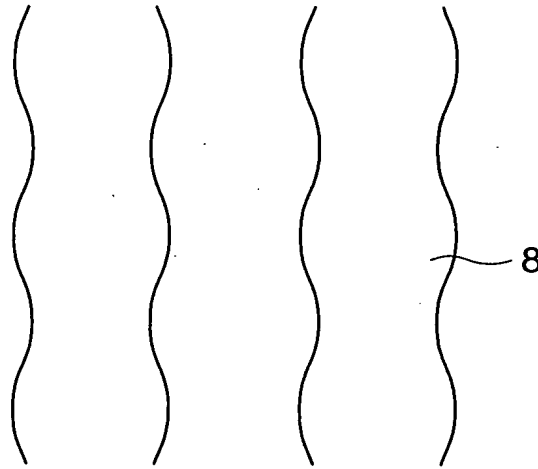
11 : UNTREATED COPPER FOIL  
12 : FINE ROUGHENING PARTICLE LAYER  
12a : FINE ROUGHENING PARTICLE  
12b : ABNORMAL DEPOSITION OF  
FINE ROUGHENING PARTICLE

FIG. 6



9 : UNTREATED COPPER FOIL  
12 : FINE ROUGHENING PARTICLE LAYER  
12a : FINE ROUGHENING PARTICLE

FIG. 7



8 : FINE PATTERN